

COMPONENT	DEVICE	PART NO.
IC 2, 3, 102, 103	NE 5532	B10 428
IC 1, 4, 5, 101, 104, 105	TL072	HE0 415
TR 1, 101	2N4403	B10 329
LED 1, 2	1LG102	JA0001

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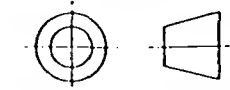
NOTES.

HOLE INDEX.

TOLERANCE.

All Imperial dimensions ± 0.010
All metric dimensions $\pm 0.25mm$
All angles $\pm 0.50^\circ$
Unless otherwise stated.

THIRD ANGLE PROJECTION



MATL.

FINISH.

SCALE.

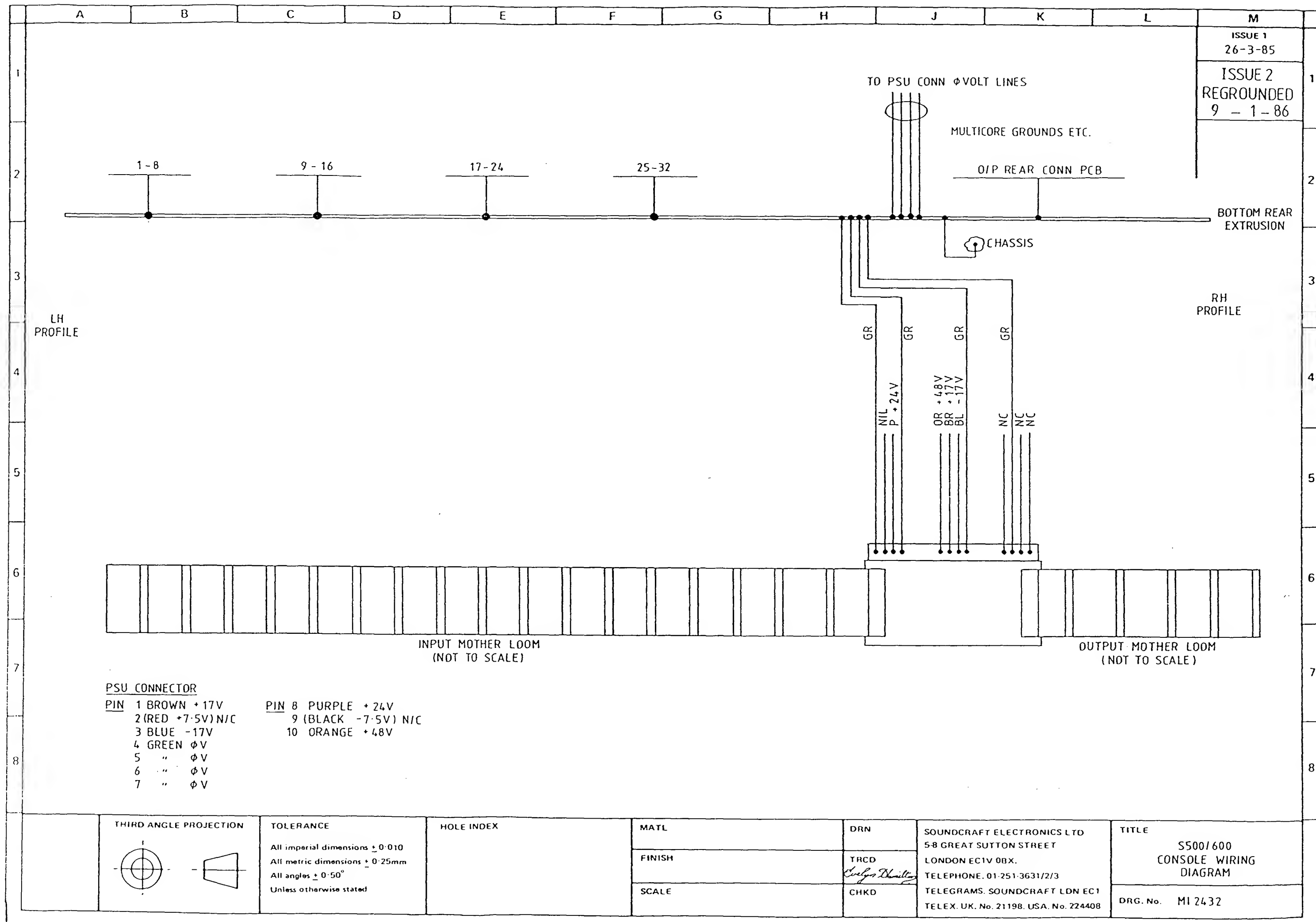
DRG.

TRCD.

CHKD.

SOUNDCRAFT ELECTRONICS LTD.
5-8 GREAT SUTTON STREET
LONDON, EC1V 0BX.
TELEPHONE. 01-251-3631/2/3
TELEGRAMS. SOUNDCRAFT LDM. EC1
TELEX. UK No. 21158. USA No. 01-2203

TITLE. S500
STANDARD OIP

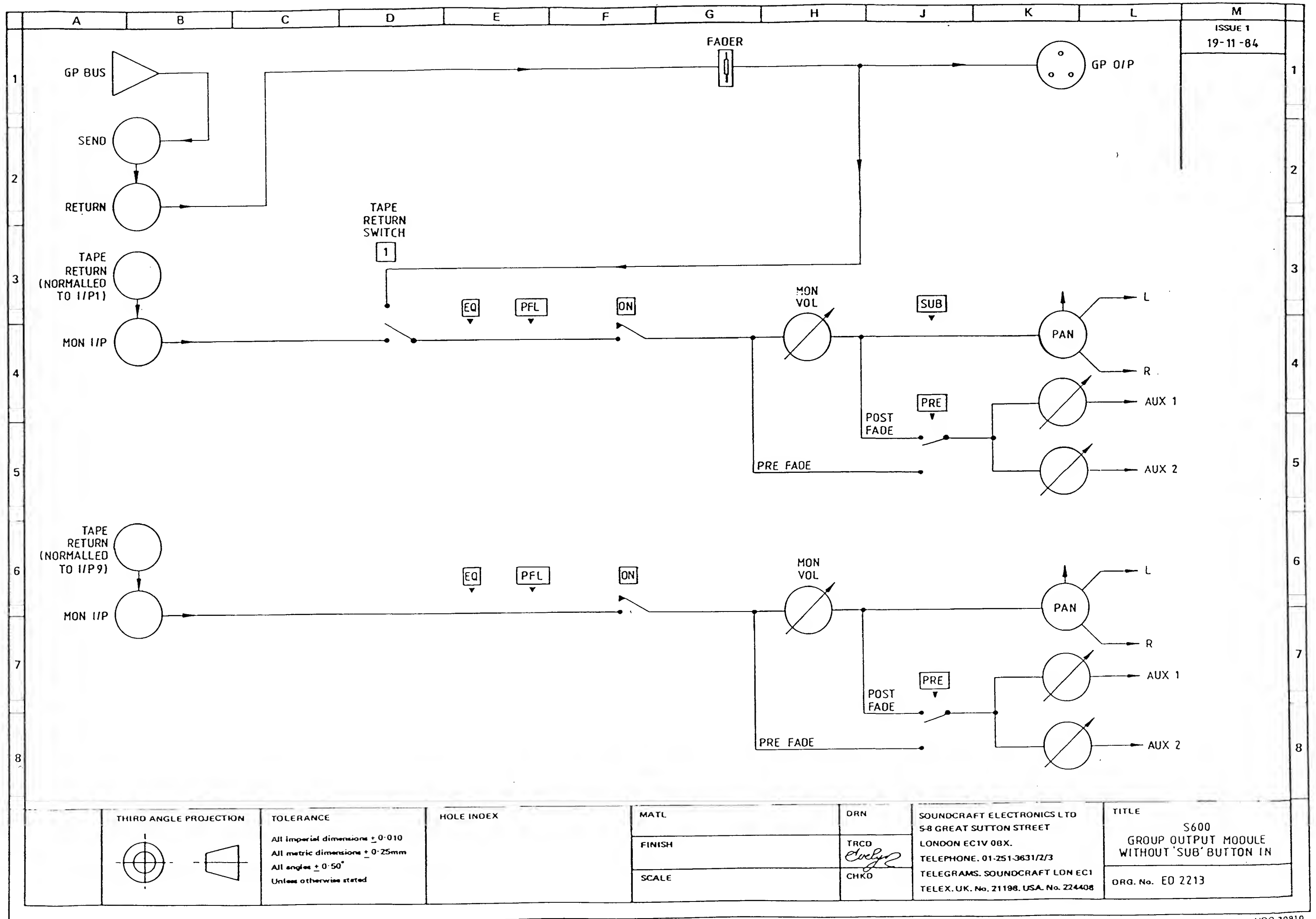


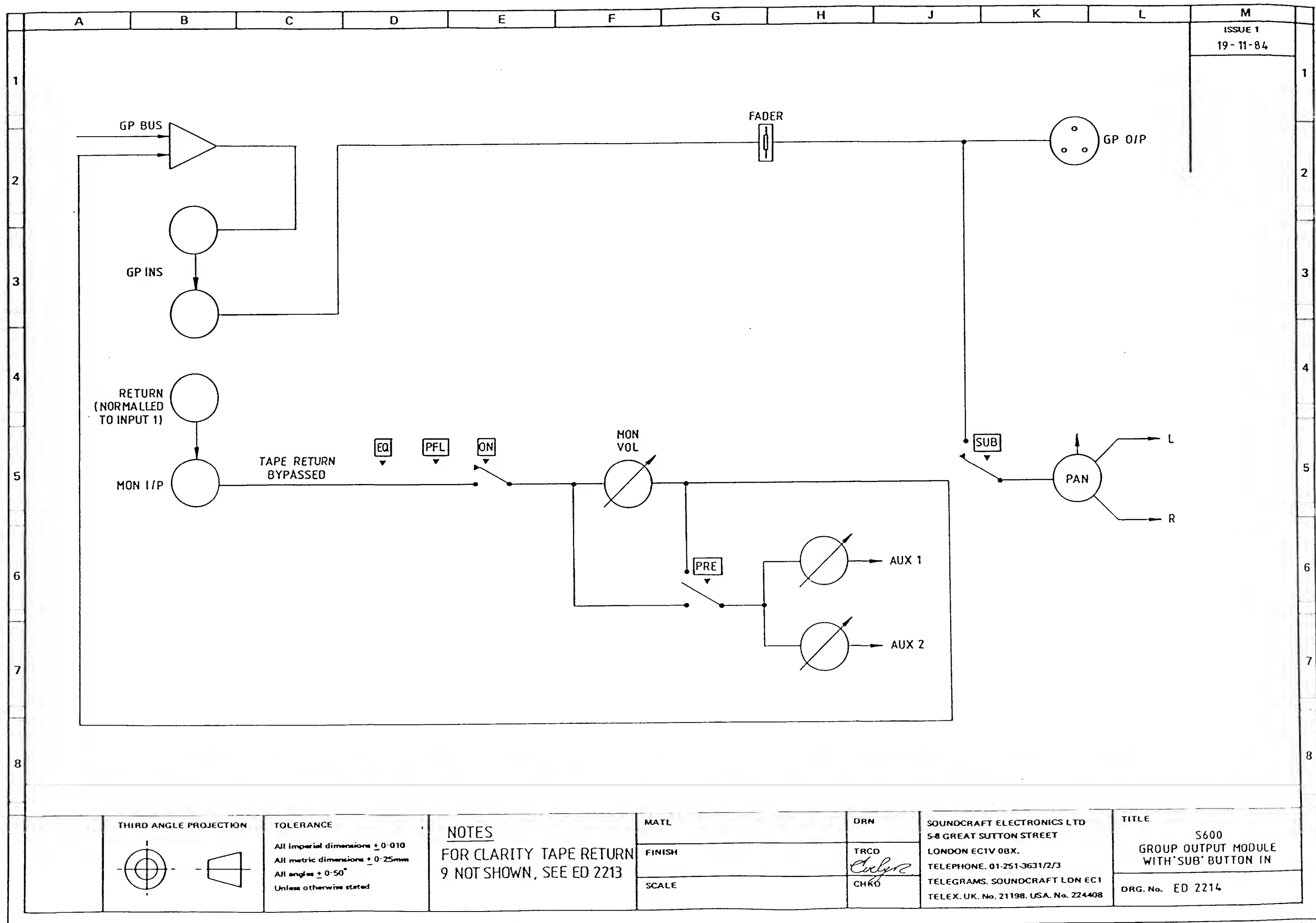
ISSUE 1
26-3-85

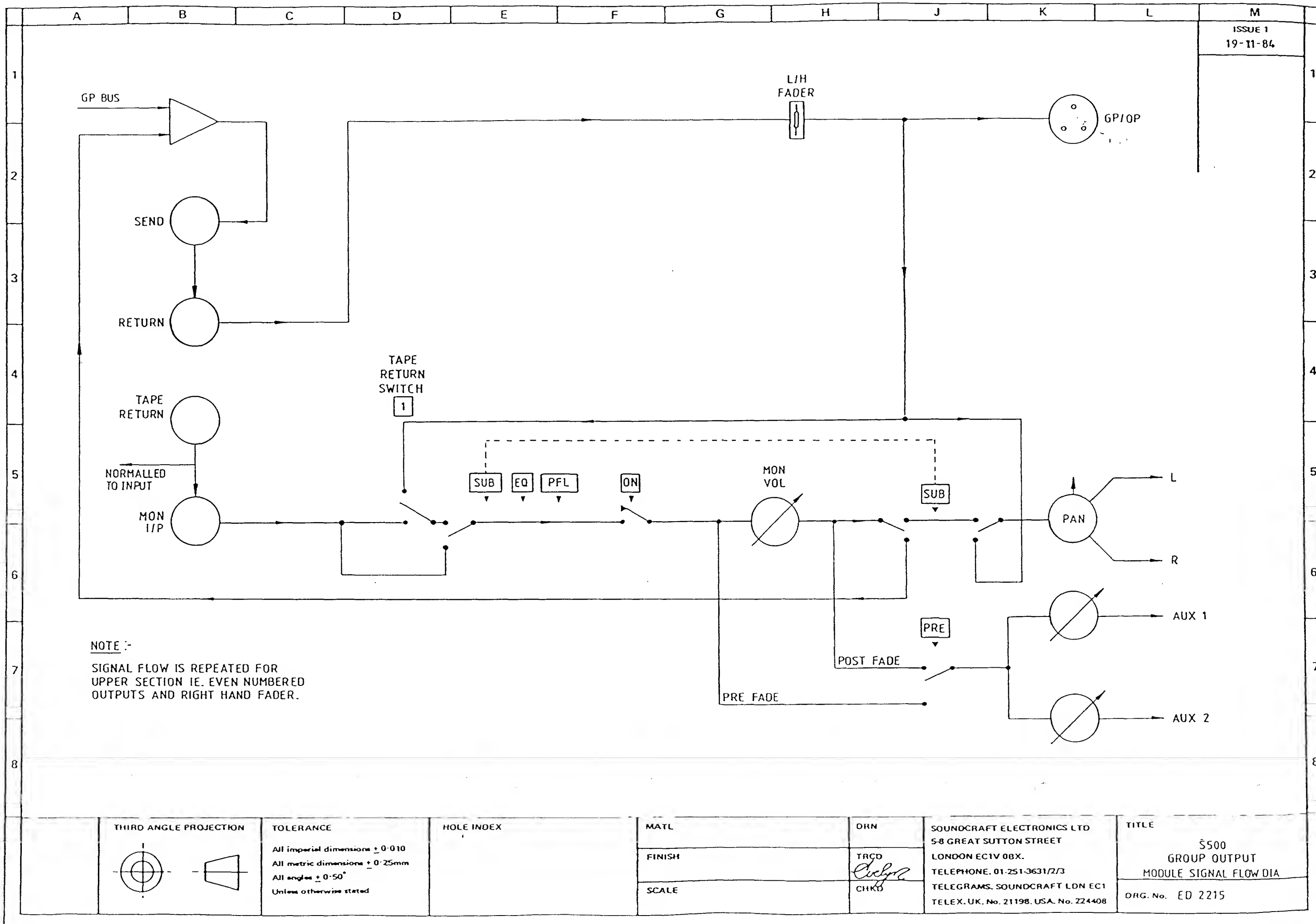
ISSUE 2
REGROUNDED
9 - 1 - 86

<div>THIRD ANGLE PROJECTION</div> <div></div>	<div>TOLERANCE</div> <div>All imperial dimensions ± 0.010</div> <div>All metric dimensions ± 0.25mm</div> <div>All angles ± 0.50°</div> <div>Unless otherwise stated</div>	<div>HOLE INDEX</div>	MATL	DRN	<div>SOUNDCRAFT ELECTRONICS LTD</div> <div>5-8 GREAT SUTTON STREET</div> <div>LONDON EC1V 0BX.</div> <div>TELEPHONE. 01-251-3631/2/3</div> <div>TELEGRAMS. SOUNDCRAFT LON EC1</div> <div>TELEX. UK. No. 21198. USA. No. 224408</div>	<div>TITLE</div> <div>S5001/600</div> <div>CONSOLE WIRING</div> <div>DIAGRAM</div>
			FINISH	TRCD		
			SCALE	CHKD		

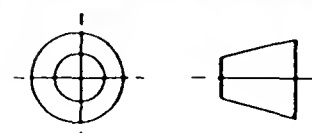
DRG. No. MI 2432







THIRD ANGLE PROJECTION



TOLERANCE

All imperial dimensions ± 0.010
All metric dimensions $\pm 0.25\text{mm}$
All angles $\pm 0.50^\circ$
Unless otherwise stated

HOLE INDEX

MATL

FINISH

SCALE

DRN

TRCD

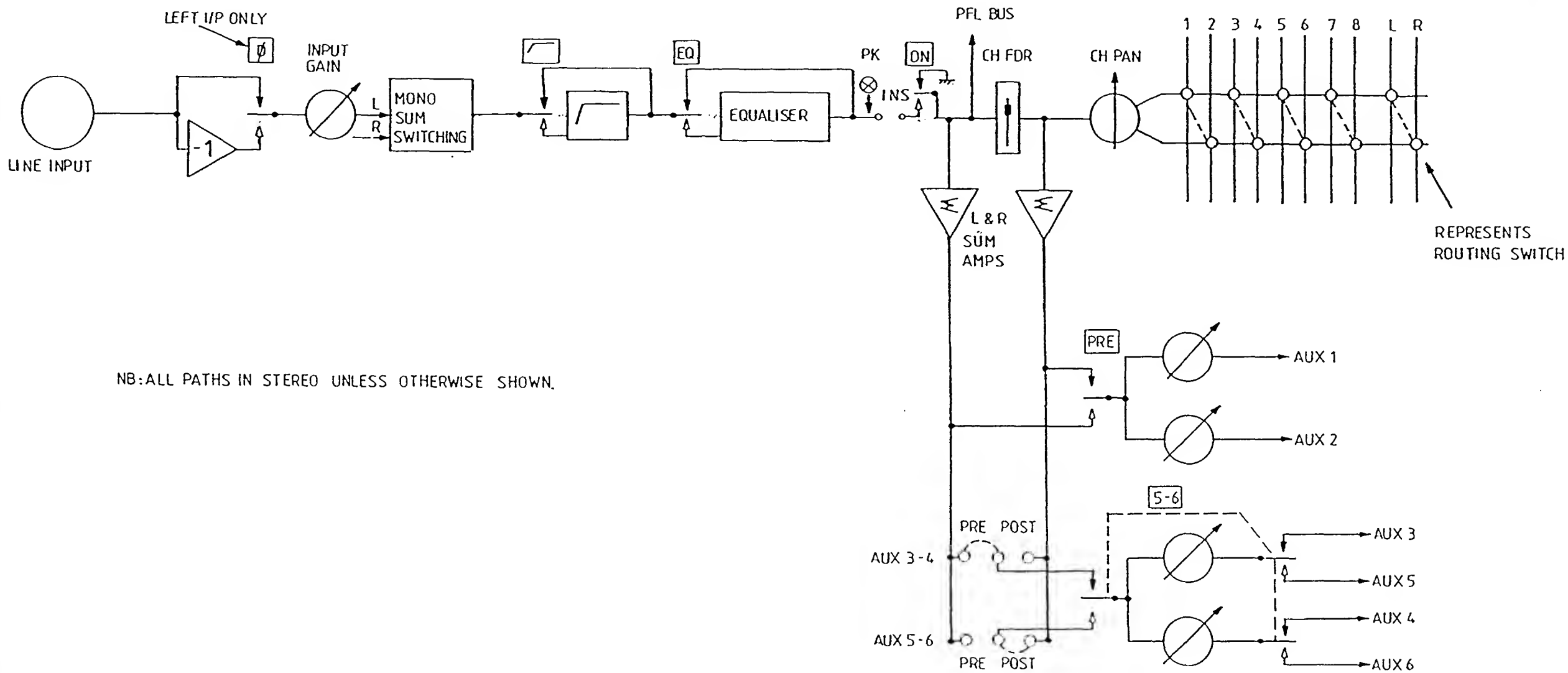
CHKD


SOUNDCRAFT ELECTRONICS LTD
5-8 GREAT SUTTON STREET
LONDON EC1V 0BX.
TELEPHONE. 01-251-3631/2/3
TELEGRAMS. SOUNDCRAFT LON EC1
TELEX. UK. No. 21198. USA. No. 224408

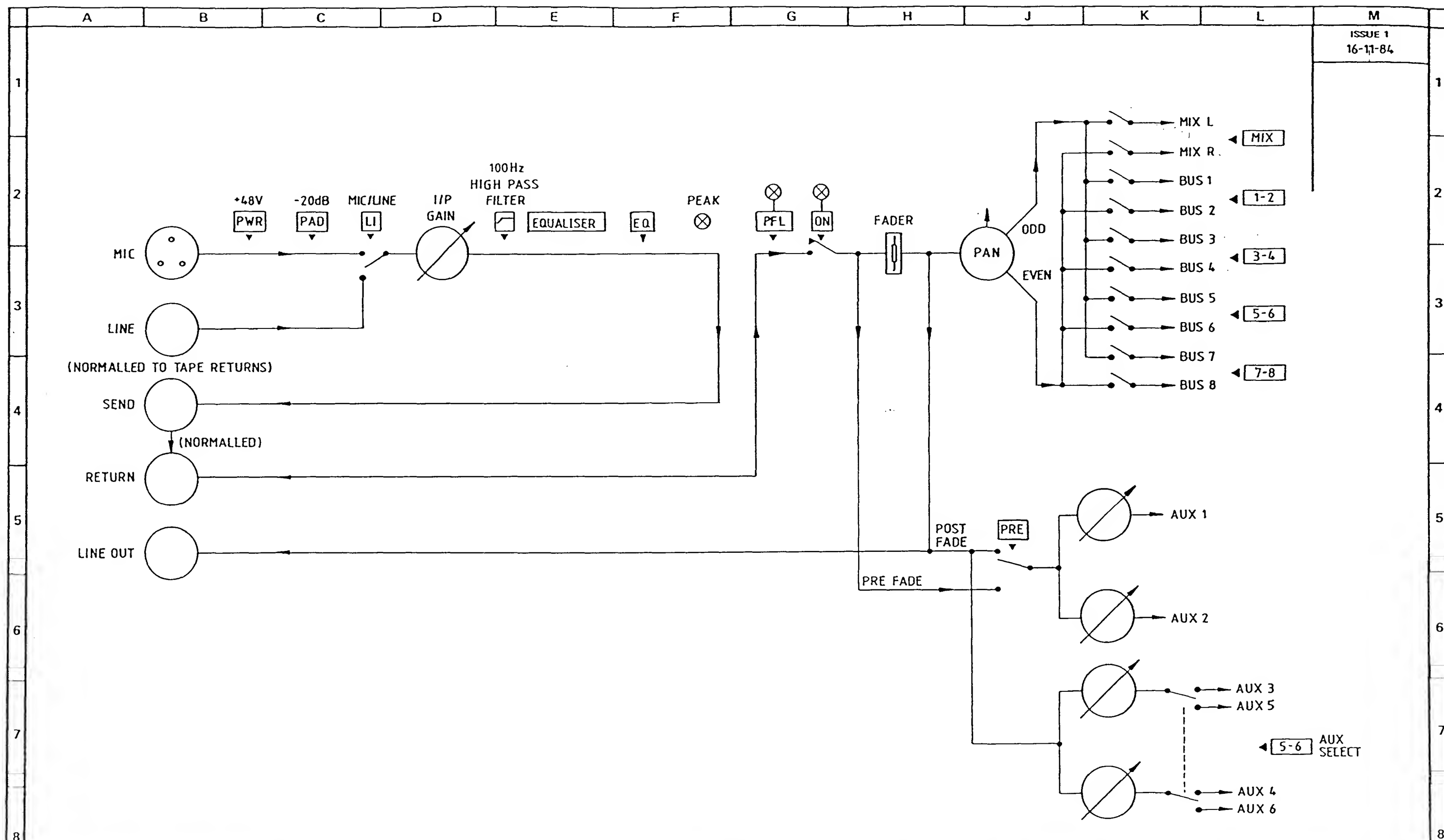
TITLE

5500
GROUP OUTPUT
MODULE SIGNAL FLOW DIA

ORG. No. ED 2215

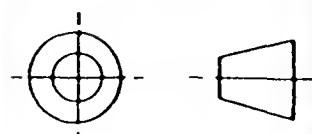


TOLERANCES HOLE SIZES AFTER PAINTING		GENERAL TOLERANCE		HOLE INDEX		MATL		DRN AB		SOUNDCRAFT ELECTRONICS LTD UNIT 2, BOREHAMWOOD INDUSTRIAL PARK, ROWLEY LANE, BOREHAMWOOD, HERTFORDSHIRE WD8 5PZ. TELEPHONE: 01-207-5050 FACSIMILE No. 2070194		TITLE S500/600 STEREO I/P SIGNAL FLOW DIAG.	
0-3mm + 0.10 - 0.00		Delete where not applicable.		<input type="checkbox"/>		<input type="checkbox"/>		FINISH		TRCD			
OVER 3-6mm + 0.12 - 0.00		± 0.60mm (0.020")		<input type="checkbox"/>		<input type="checkbox"/>		SCALE		CHKD G. J. Jones			
OVER 6-10mm + 0.15 - 0.00		± 0.25mm (0.010")		<input type="checkbox"/>		<input type="checkbox"/>				THIRD ANGLE PROJECTION THIS DRAWING TO COMPLY TO BS308.			
OVER 10-18mm + 0.18 - 0.00		HOLE CENTRES ± 0.004"		<input type="checkbox"/>		<input type="checkbox"/>							
OVER 18-25mm + 0.21 - 0.00		ALL ANGLES ± 0.60°		<input type="checkbox"/>		<input type="checkbox"/>							
OVER 25mm + 0.25 - 0.00		Unless otherwise stated.		<input type="checkbox"/>		<input type="checkbox"/>						DRG No ED 2326	



ISSUE 1
16-11-84

THIRD ANGLE PROJECTION



TOLERANCE

All imperial dimensions ± 0.010
All metric dimensions $\pm 0.25\text{mm}$
All angles $\pm 0.50^\circ$
Unless otherwise stated

HOLE INDEX

MATL

FINISH

SCALE

DRN

TRCD

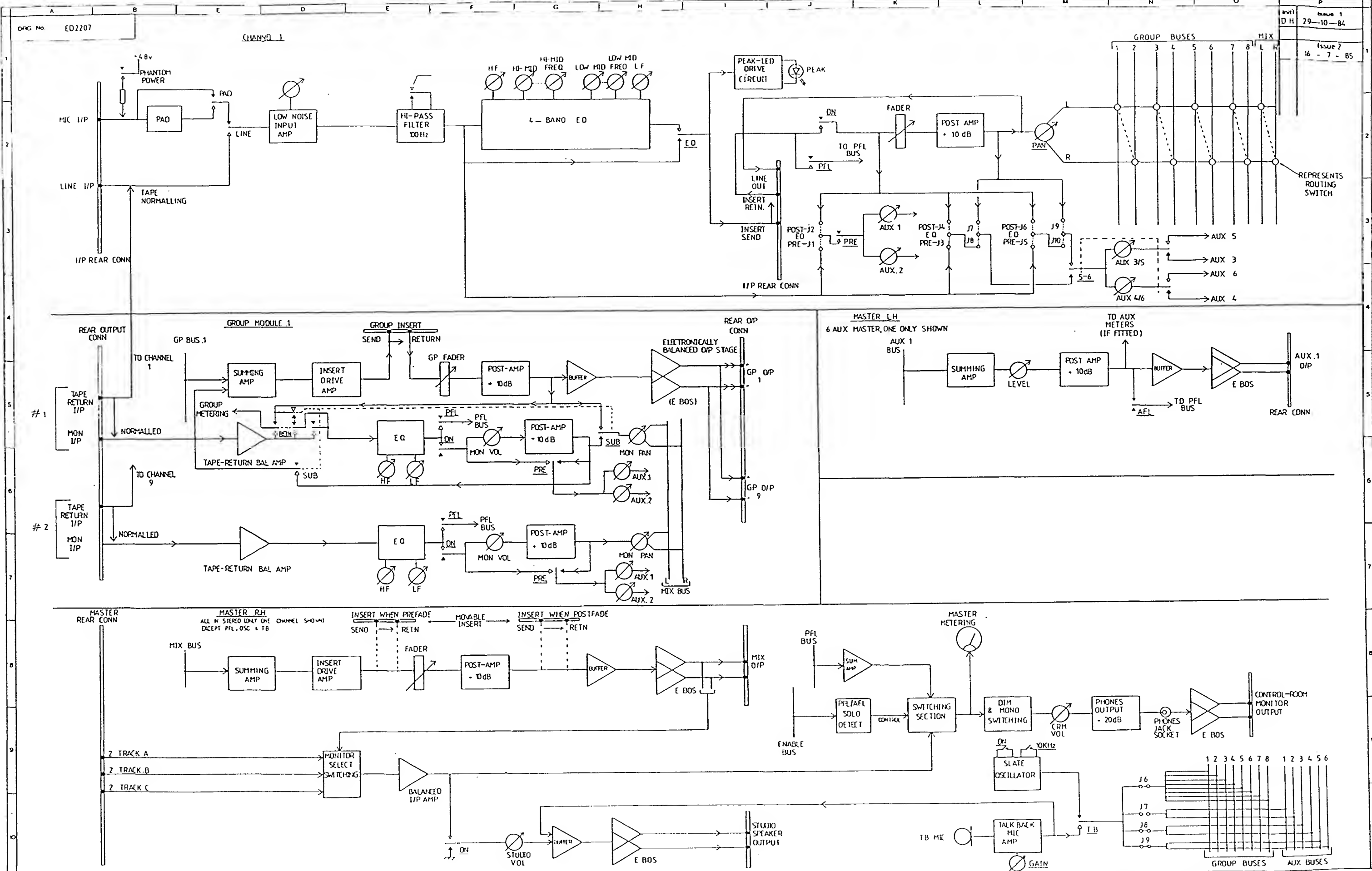
CHKD

SOUNDCRAFT ELECTRONICS LTD
5-8 GREAT SUTTON STREET
LONDON EC1V 0BX.
TELEPHONE. 01-251-3631/2/3
TELEGRAMS. SOUNDCRAFT LDN EC1
TELEX. UK. No. 21198. USA. No. 224408

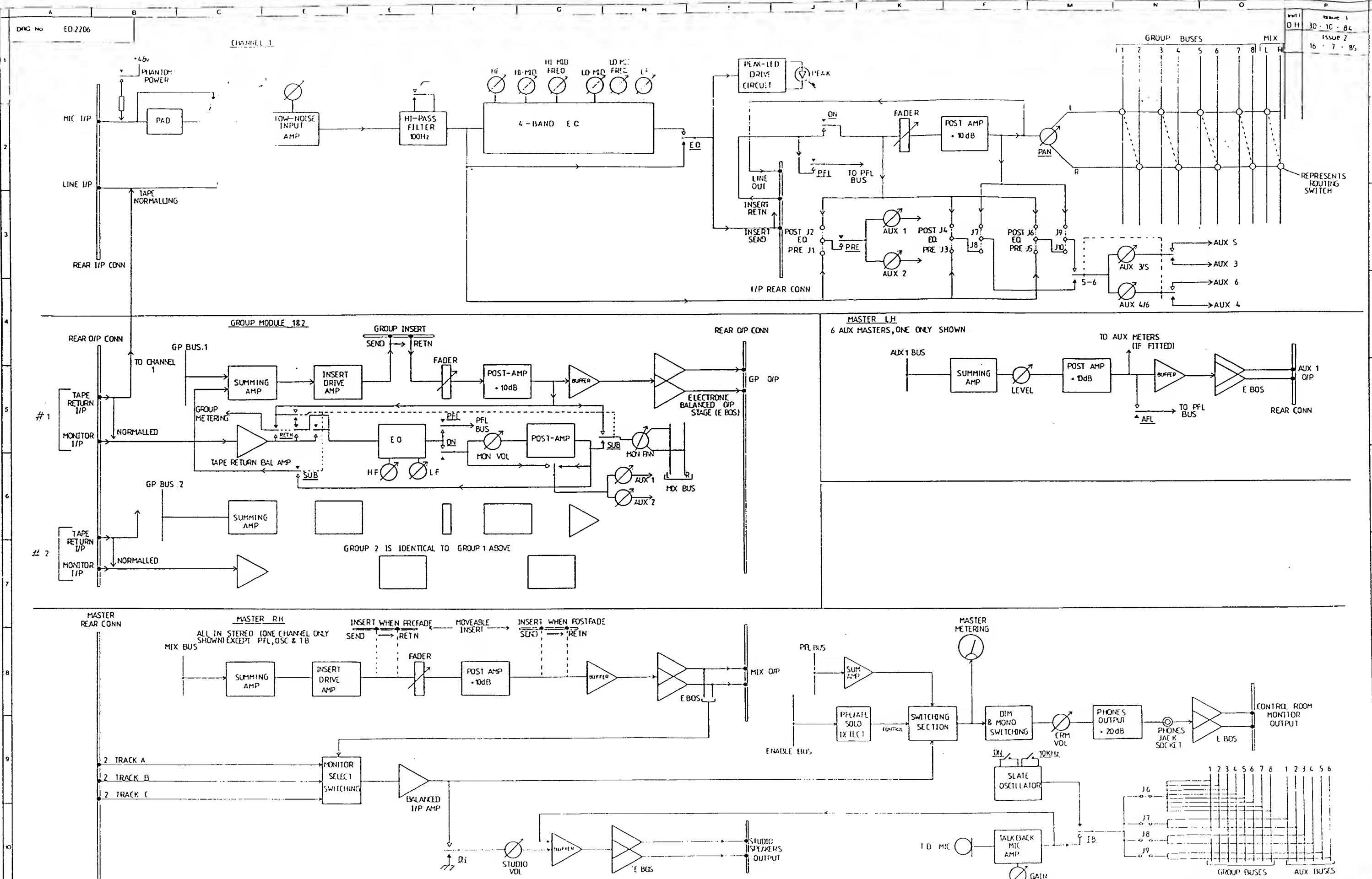
TITLE

S500 1600
INPUT MODULE
(SIGNAL FLOW)

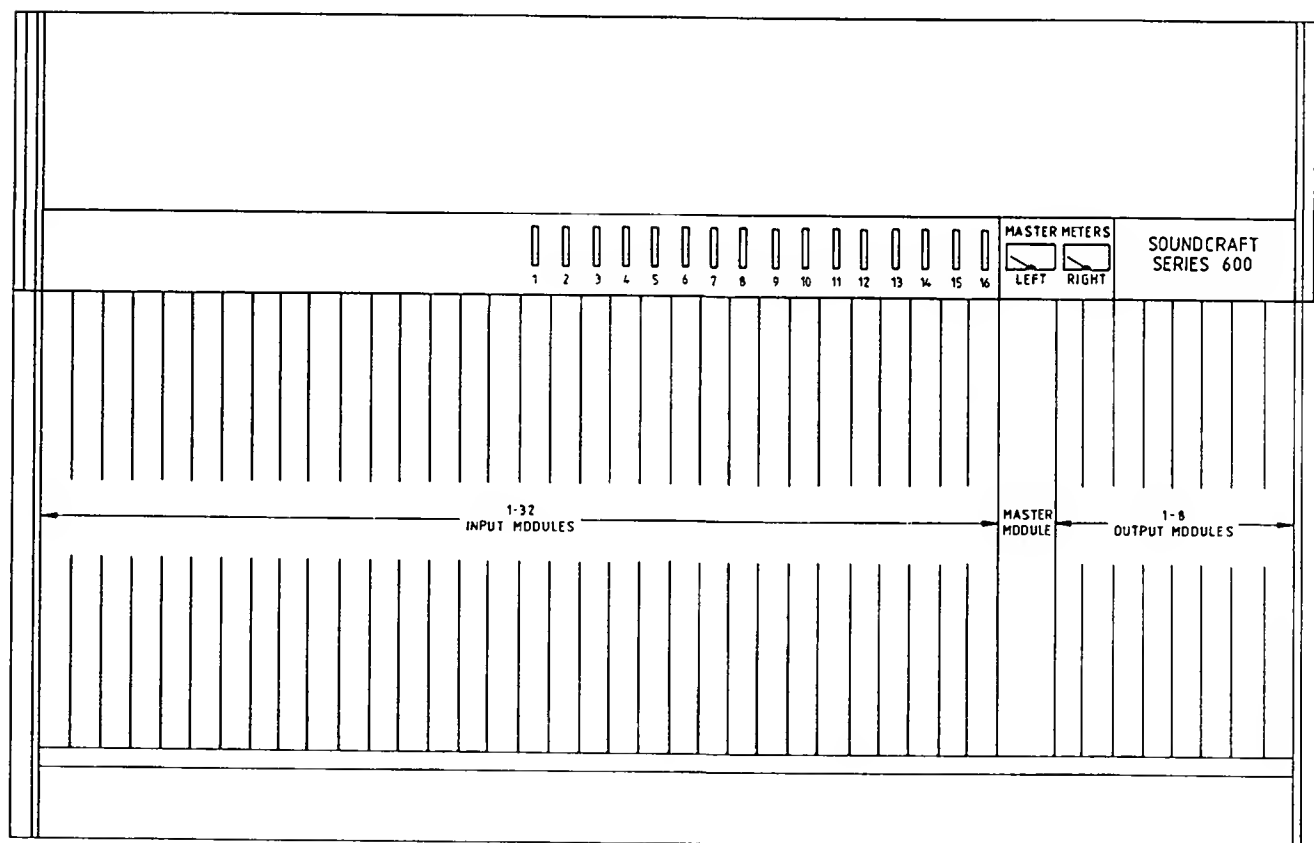
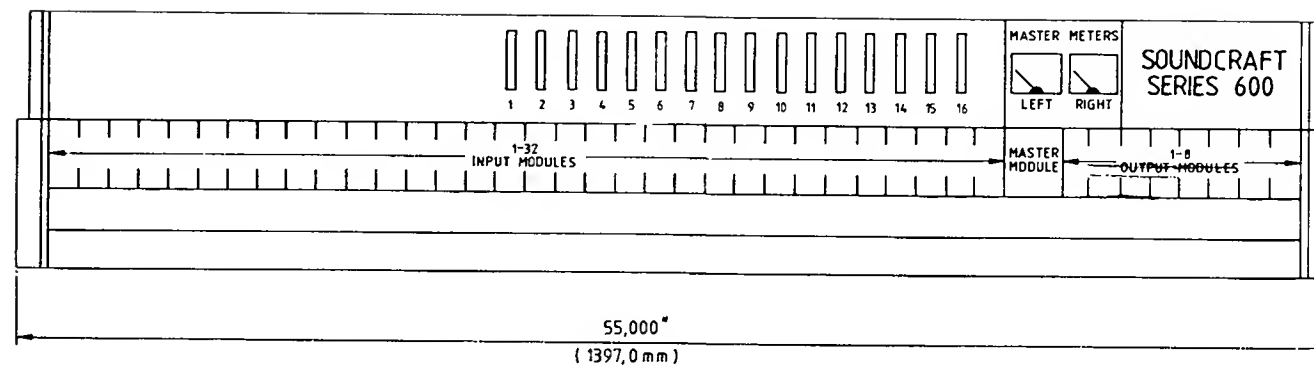
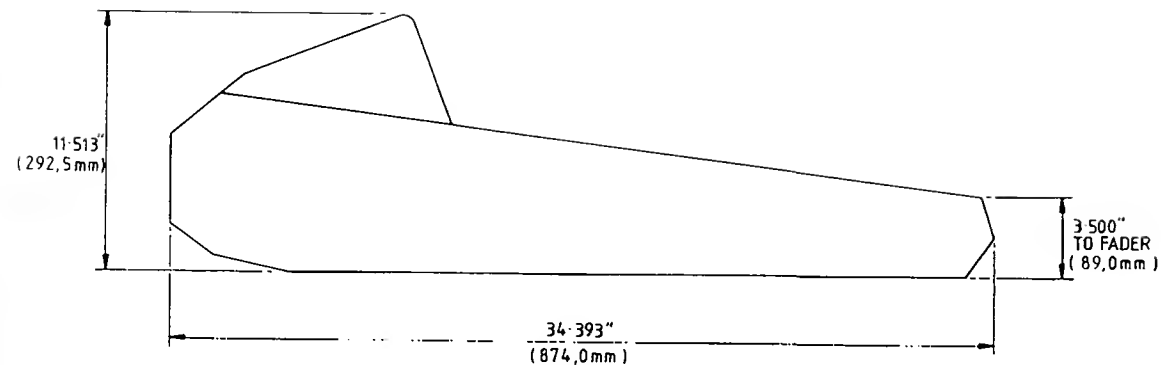
DRG. No. ED 2212



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NOTES.

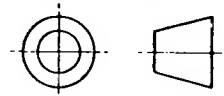
16 I/P LENGTH = 35.000" (889.0mm)
24 I/P LENGTH = 45.000" (1143.0mm)
40 I/P LENGTH = 65.000" (1651.0mm)

HOLE INDEX.

TOLERANCE.

All Imperial dimensions ± 0.010
All metric dimensions $\pm 0.25\text{mm}$
All angles $\pm 0.50^\circ$
Unless otherwise stated.

THIRD ANGLE PROJECTION



MATL.

FINISH.

SCALE.

DRG.

TRCD.

CHKD.

SOUNDCRAFT ELECTRONICS LTD.
5-8 GREAT SUTTON STREET
LONDON, EC4V 0BX.
TELEPHONE. 01-251-3631/2/3
TELEGRAMS. SOUNDCRAFT LDN. EC1
TELEX. UK No. 21198. USA No. 01-2203

TITLE.

S600
CONSOLE SCHEMATIC
LAYOUT

DRG No. MI 2438

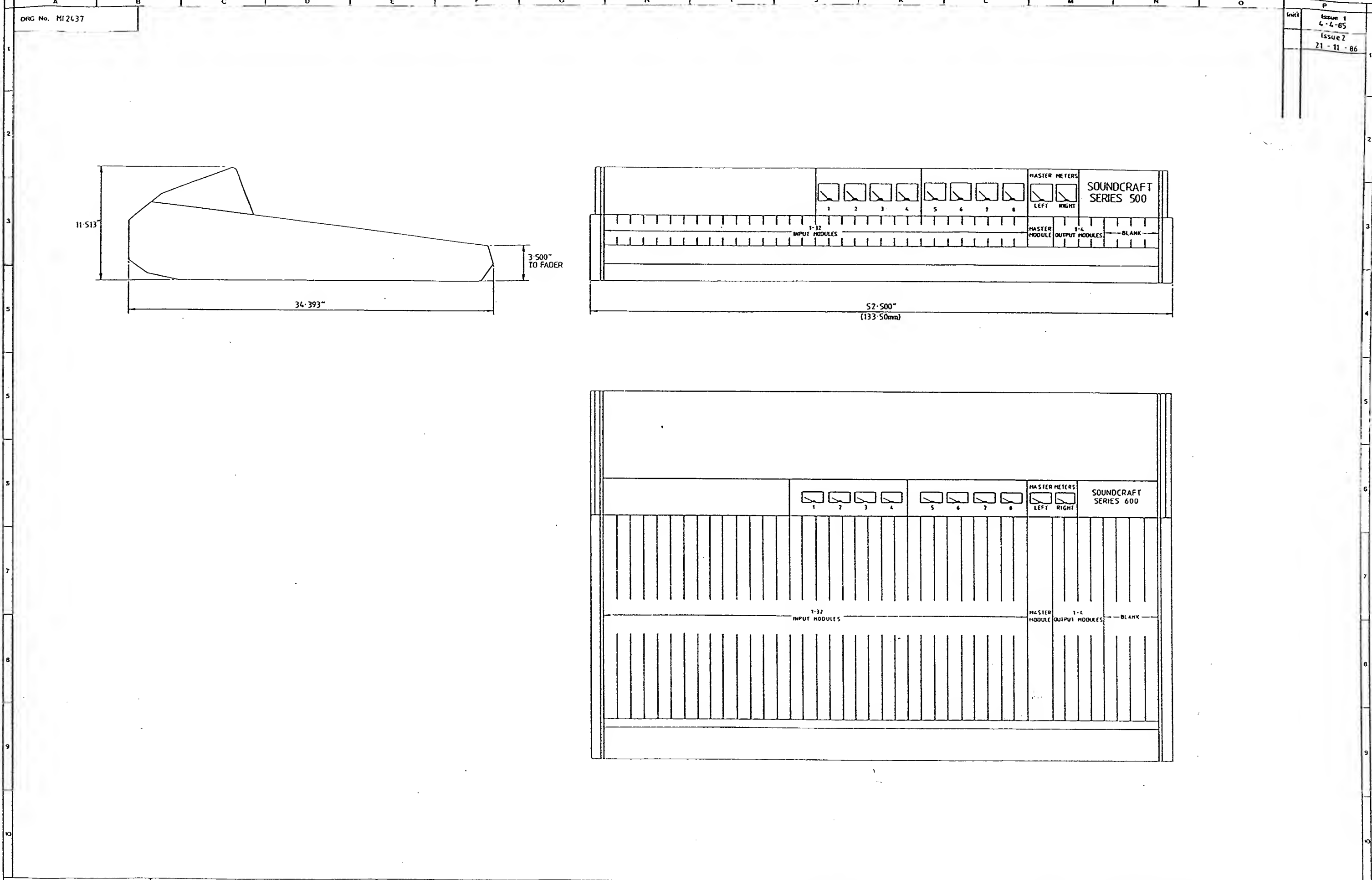
Issue 1
4-6-85

Issue 2
LENGTHS
CHANGED TO
16 I/P 45 INCH.
24 I/P 55 INCH.
32 I/P 65 INCH.
40 I/P 75 INCH.
16-7-87

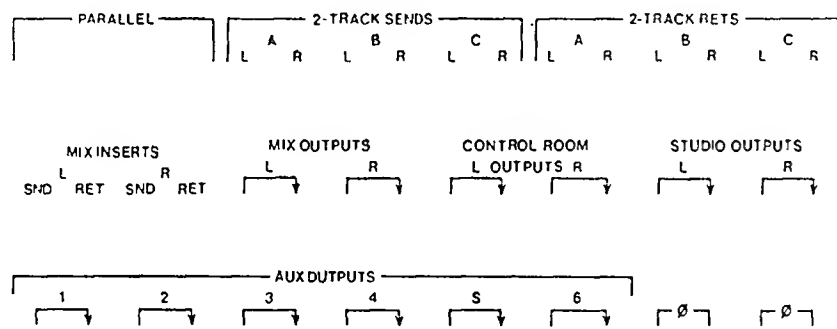
Issue 3
LENGTHS
CHANGED TO
16 I/P 35 INCH.
24 I/P 45 INCH.
32 I/P 55 INCH.
40 I/P 65 INCH.
23-6-89

Initl

DG



<p>Soundcraft Electronics Limited own the copyright of this drawing which is not to be copied, reproduced or disclosed, in part or whole, to a third party without written permission</p>	<p>NOTES: 16 I/P LENGTH = 825.50 mm 24 I/P LENGTH = 1079.50 mm</p>	<p>HOLE INDEX:</p>	<p>TOLERANCE: All imperial dimensions: ± 0.010 All metric dimensions: $\pm 0.25mm$ All angles: $\pm 0.50^\circ$ Unless otherwise stated</p>	<p>THIRD ANGLE PROJECTION</p>	<p>MATL. FINISH SCALE</p>	<p>ENG. TRCD CHKD</p>	<p>SOUNDCRAFT ELECTRONICS LTD. 5-8 GREAT SUTTON STREET LONDON, EC4V 0HX. TELEPHONE: 01-751-3631/2/3 TELEGRAMS: SOUNDCRAFT LON EC1 TELEX UK 440 21190 USA No 01-7203</p>	<p>TITLE: 5500 CONSOLE SCHEMATIC LAYOUT</p> <p>ENG No: MF 2437</p>
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LINE IN	CHANNEL 1	INSERT	LINE OUT	LINE IN	CHANNEL 2	INSERT	LINE OUT	LINE IN	CHANNEL 3	INSERT	LINE OUT	LINE IN	CHANNEL 4	INSERT	LINE OUT
	SND	RET			SND	RET			SND	RET			SND	RET	
LINE IN	CHANNEL 5	INSERT	LINE OUT	LINE IN	CHANNEL 6	INSERT	LINE OUT	LINE IN	CHANNEL 7	INSERT	LINE OUT	LINE IN	CHANNEL 8	INSERT	LINE OUT
	SND	RET			SND	RET			SND	RET			SND	RET	
LINE IN	CHANNEL 9	INSERT	LINE OUT	LINE IN	CHANNEL 10	INSERT	LINE OUT	LINE IN	CHANNEL 11	INSERT	LINE OUT	LINE IN	CHANNEL 12	INSERT	LINE OUT
	SND	RET			SND	RET			SND	RET			SND	RET	
LINE IN	CHANNEL 13	INSERT	LINE OUT	LINE IN	CHANNEL 14	INSERT	LINE OUT	LINE IN	CHANNEL 15	INSERT	LINE OUT	LINE IN	CHANNEL 16	INSERT	LINE OUT
	SND	RET			SND	RET			SND	RET			SND	RET	
LINE IN	CHANNEL 17	INSERT	LINE OUT	LINE IN	CHANNEL 18	INSERT	LINE OUT	LINE IN	CHANNEL 19	INSERT	LINE OUT	LINE IN	CHANNEL 20	INSERT	LINE OUT
	SND	RET			SND	RET			SND	RET			SND	RET	
LINE IN	CHANNEL 21	INSERT	LINE OUT	LINE IN	CHANNEL 22	INSERT	LINE OUT	LINE IN	CHANNEL 23	INSERT	LINE OUT	LINE IN	CHANNEL 24	INSERT	LINE OUT
	SND	RET			SND	RET			SND	RET			SND	RET	
LINE IN	CHANNEL 25	INSERT	LINE OUT	LINE IN	CHANNEL 26	INSERT	LINE OUT	LINE IN	CHANNEL 27	INSERT	LINE OUT	LINE IN	CHANNEL 28	INSERT	LINE OUT
	SND	RET			SND	RET			SND	RET			SND	RET	
LINE IN	CHANNEL 29	INSERT	LINE OUT	LINE IN	CHANNEL 30	INSERT	LINE OUT	LINE IN	CHANNEL 31	INSERT	LINE OUT	LINE IN	CHANNEL 32	INSERT	LINE OUT
	SND	RET			SND	RET			SND	RET			SND	RET	

INSERT	GRP	MON	INSERT	GRP	MON	INSERT	GRP	MON	INSERT	GRP	MON
SND	RET	OUT	SND	RET	OUT	SND	RET	OUT	SND	RET	OUT
		1			2			3			4

INSERT	GRP	MON	INSERT	GRP	MON	INSERT	GRP	MON	INSERT	GRP	MON
SND	RET	OUT	SND	RET	OUT	SND	RET	OUT	SND	RET	OUT
		5			6			7			8

9	10	11	12	13	14	15	16	PARALLEL	PARALLEL
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SND	RET	SND	RET	SND	RET	SND	RET	SND	RET	SND	RET	SND	RET	SND	RET
1		2		3		4		5		6		7		8	

SND	RET	SND	RET	SND	RET	SND	RET	SND	RET	SND	RET	SND	RET	SND	RET
9		10		11		12		13		14		15		16	

SND	RET	SND	RET	SND	RET	SND	RET	SND	RET	SND	RET	SND	RET	SND	RET
17		18		19		20		21		22		23		24	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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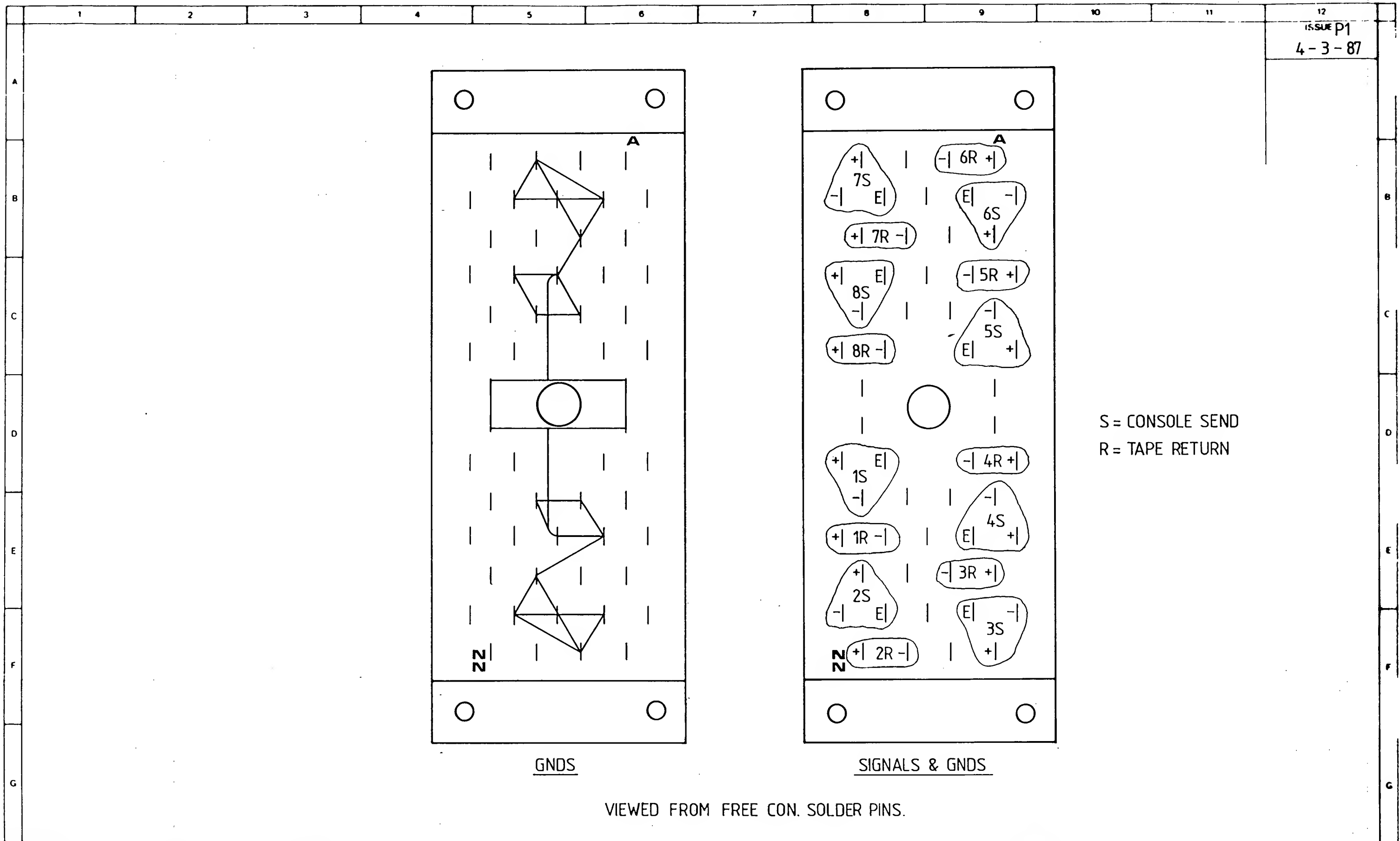
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33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
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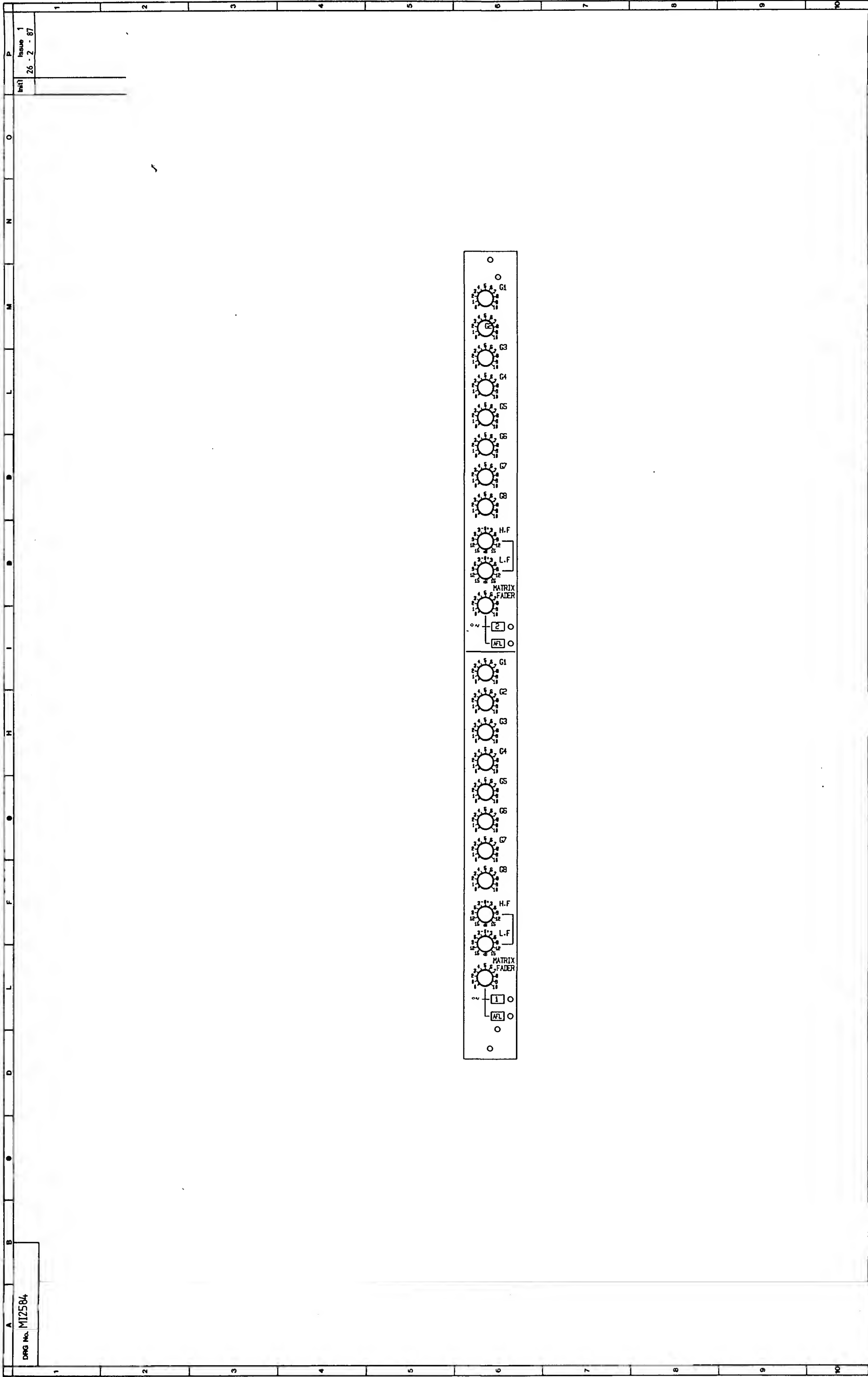
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64
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SOUND BY TITLE (THRU 110)
 UNIT 7
 BOE HUNTER AND PARK
 REVEREND
 HENRY'S WGS 521
 01 207 5000
 PALS IN TOWN

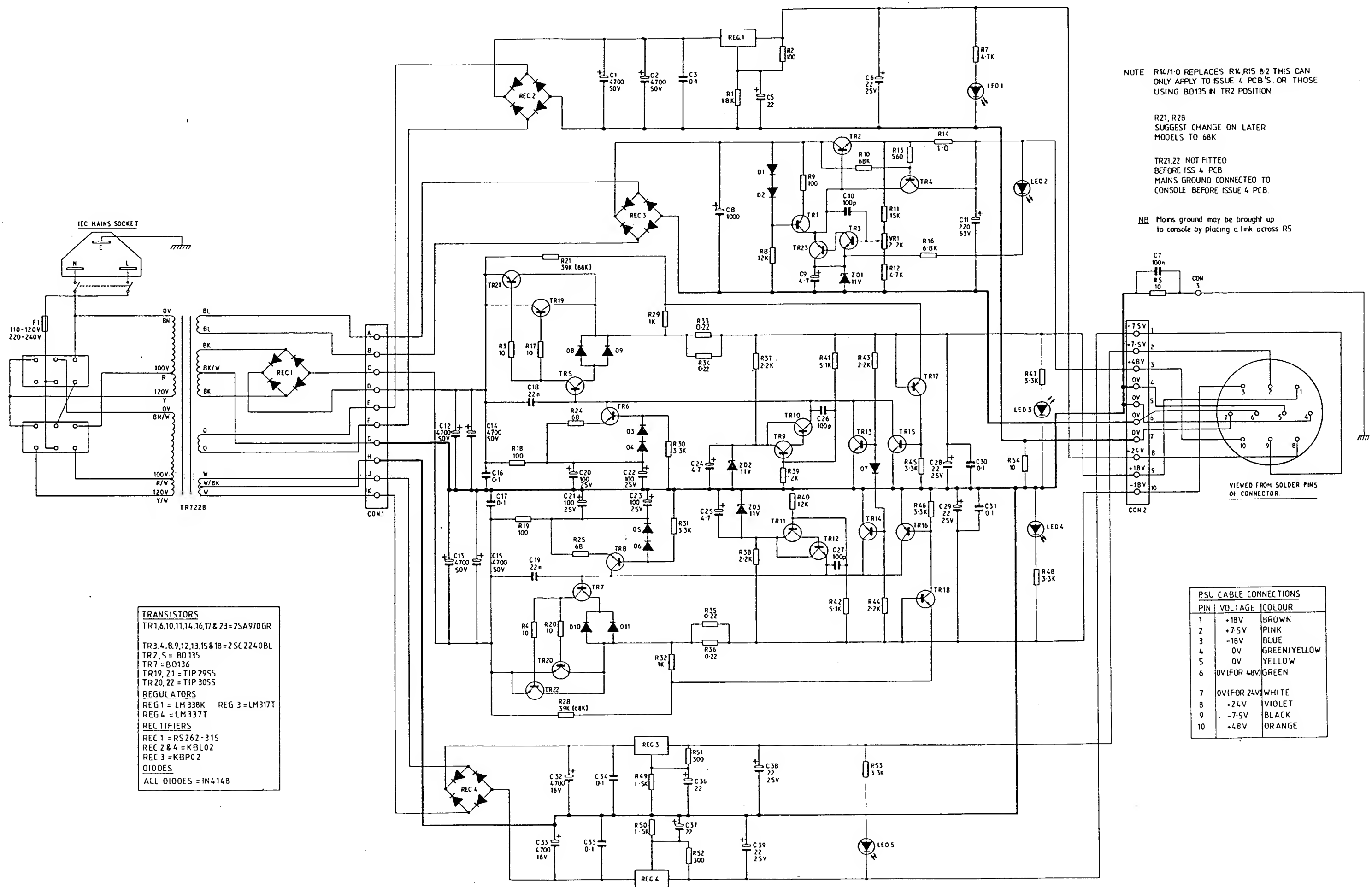
TITLE
 S.000
 PATRICK P. ALA
 PROD.



TOLERANCES HOLE SIZES AFTER PAINTING		GENERAL TOLERANCE		HOLE INDEX		MATL		DRN		SOUNDCRAFT ELECTRONICS LTD		TITLE	
0-3mm - ± 0.10 0-00		Delete where not applicable		<input type="checkbox"/>				BTB		UNIT 2		TS12 TAPE I/O & 600 PATCH	
OVER 3-6mm - ± 0.12 0-00		± 0.50mm (0-020")		<input type="checkbox"/>		FINISH		TRCD		BOREHAMWOOD INDUSTRIAL PARK			
OVER 6-10mm - ± 0.15 0-00		± 0.25mm (0-010")		<input type="checkbox"/>		SCALE N.T.S.		CHKD		ROWLEY LANE			
OVER 10-18mm - ± 0.18 0-00		± 0.12mm (0-005")		<input type="checkbox"/>						BOREHAMWOOD			
OVER 18-25mm - ± 0.21 0-00		HOLE CENTRES ± 0.04"		<input type="checkbox"/>				THIRD ANGLE PROJECTION THIS DRAWING TO COMPLY TO BS308		HERTFORDSHIRE WD6 5PZ			
OVER 25mm - ± 0.25 0-00		ALL ANGLES ± 0.50°		<input type="checkbox"/>						TELEPHONE 01 207 5050			
		Unless otherwise stated		<input type="checkbox"/>						FACSIMILE No 2070194		DRG No MI2589	



NOTES	HOLE INDEX	TOLERANCES	GENERAL TOLERANCES	MAYL	DRN	TITLE	DRG No. M12584
Soundcraft Electronics Limited own the copyright of this drawing which is not to be copied, reproduced or disclosed, in part or whole, to a third party without written permission.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	HOLE SIZES AFTER PAINTING 0-3mm = +0.10 OVER 3-6mm = +0.12 OVER 6-10mm = +0.15 OVER 10-18mm = +0.20 OVER 18-25mm = +0.21 OVER 25mm = +0.25	GENERAL TOLERANCES Delete where not applicable ± 0.50mm (0.020") ± 0.25mm (0.010") ± 0.12mm (0.005") All angles ± 0.50° Hole centres ± 0.004"	FINISH SCALE	TRCD CHKD	SOUNDCRAFT ELECTRONICS LTD UNIT 2, BOREHAMWOOD INDUSTRIAL PARK, ROWLEY LANE, BOREHAMWOOD, HERTFORDSHIRE WD6 5PZ. TELEPHONE: 01-207-5050 FACSIMILE No. 2070194	MATRIX MODULE



NOTE R14/1.0 REPLACES R14, R15 0.2 THIS CAN ONLY APPLY TO ISSUE 4 PCB'S. OR THOSE USING B0135 IN TR2 POSITION

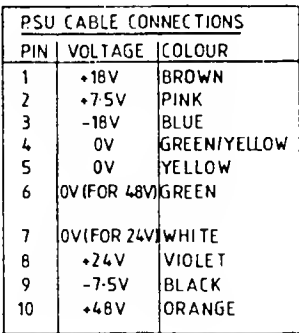
R21, R28 SUGGEST CHANGE ON LATER MODELS TO 68K

TR21, 22 NOT FITTED BEFORE ISS 4 PCB MAINS GROUND CONNECTED TO CONSOLE BEFORE ISSUE 4 PCB.

NB Mains ground may be brought up to console by placing a link across R5

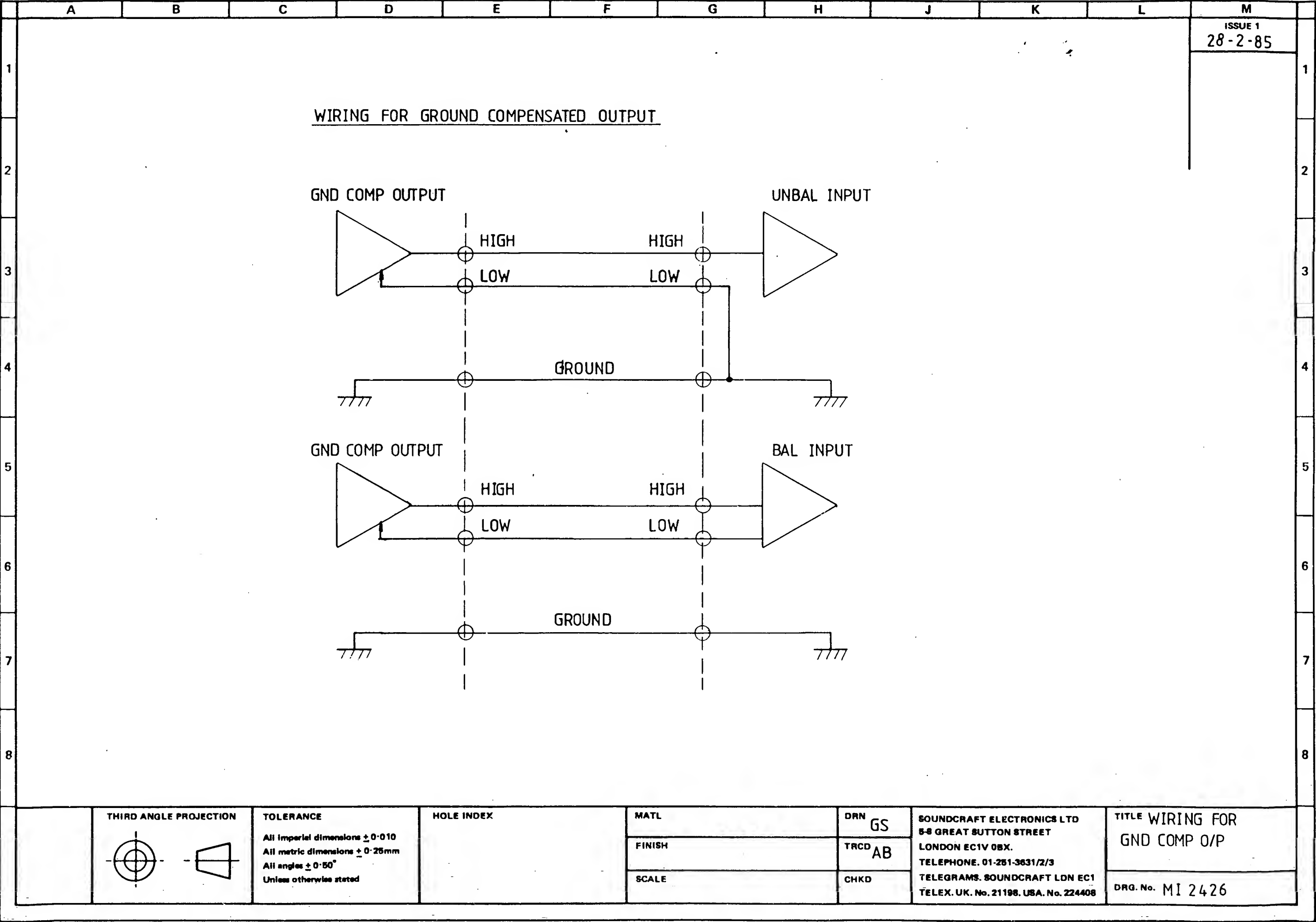
TRANSISTORS
 TR1, 6, 10, 11, 14, 16, 17 & 23 = ZSA970GR
 TR3, 4, 8, 9, 12, 13, 15 & 18 = ZSC2240BL
 TR2, 5 = B0135
 TR7 = B0136
 TR19, 21 = TIP2955
 TR20, 22 = TIP3055
REGULATORS
 REG1 = LM338K REG 3 = LM317T
 REG4 = LM337T
RECTIFIERS
 REC1 = RS262-315
 REC 2 & 4 = KBL02
 REC 3 = KBP02
DIODES
 ALL DIODES = IN4148

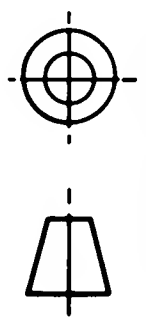
PSU CABLE CONNECTIONS		
PIN	VOLTAGE	COLOUR
1	+18V	BROWN
2	+7.5V	PINK
3	-18V	BLUE
4	0V	GREEN/YELLOW
5	0V	YELLOW
6	0V (FOR 48V)	GREEN
7	0V (FOR 24V)	WHITE
8	+24V	VIOLET
9	-7.5V	BLACK
10	+48V	ORANGE



VIEWED FROM SOLDER PINS
OF CONNECTOR

ORG. No. EO 2093





THIRD ANGLE PROJECTION

TOLERANCE

All Imperial dimensions ± 0.010
All metric dimensions $\pm 0.25\text{mm}$
All angles $\pm 0.50^\circ$
Unless otherwise stated

HOLE INDEX

MATL

FINISH

SCALE

DRN GC

TRCD SHAFON

CHKD

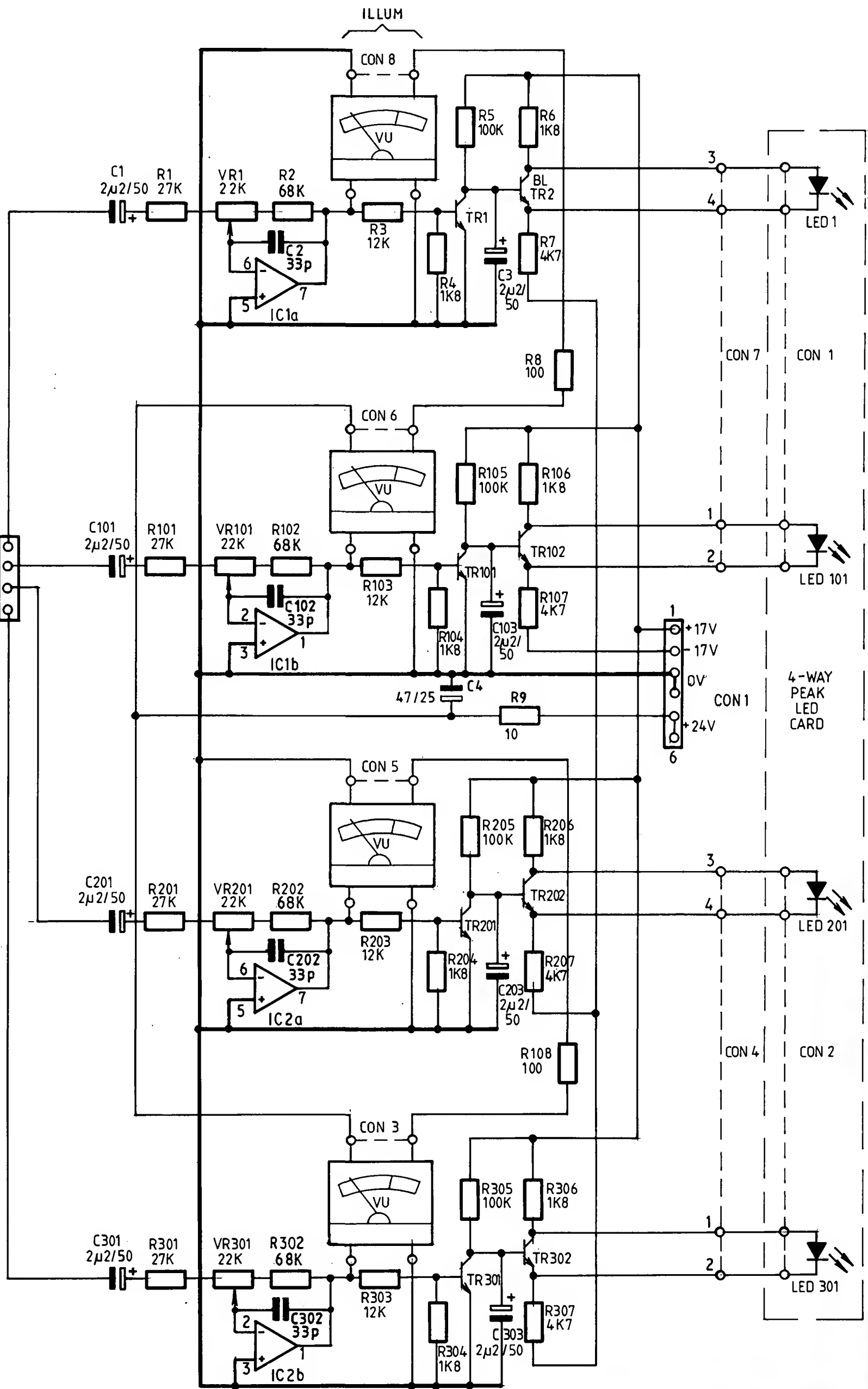
TITLE S500

4 WAY VU METER DRIVE
CIRCUIT DIAG. (SC1498)

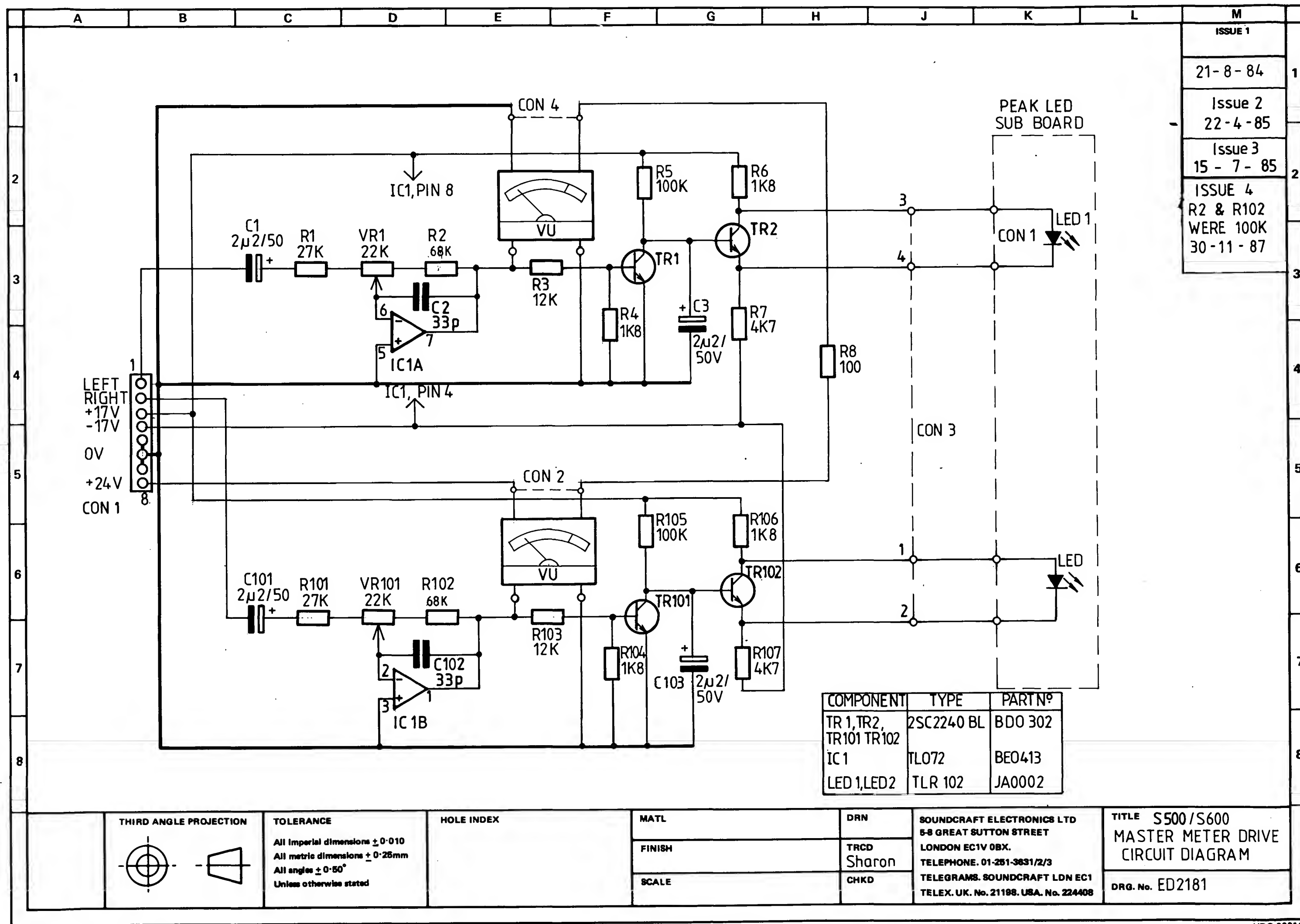
DRG. No. ED2185

SOUNDCRAFT ELECTRONICS LTD
8-8 GREAT BUTTON STREET
LONDON EC1V 0BX.
TELEPHONE: 01-261-3631/2/3
TELEGRAMS: SOUNDCRAFT LON EC1
TELEX: UK. No. 21188. USA. No. 224408

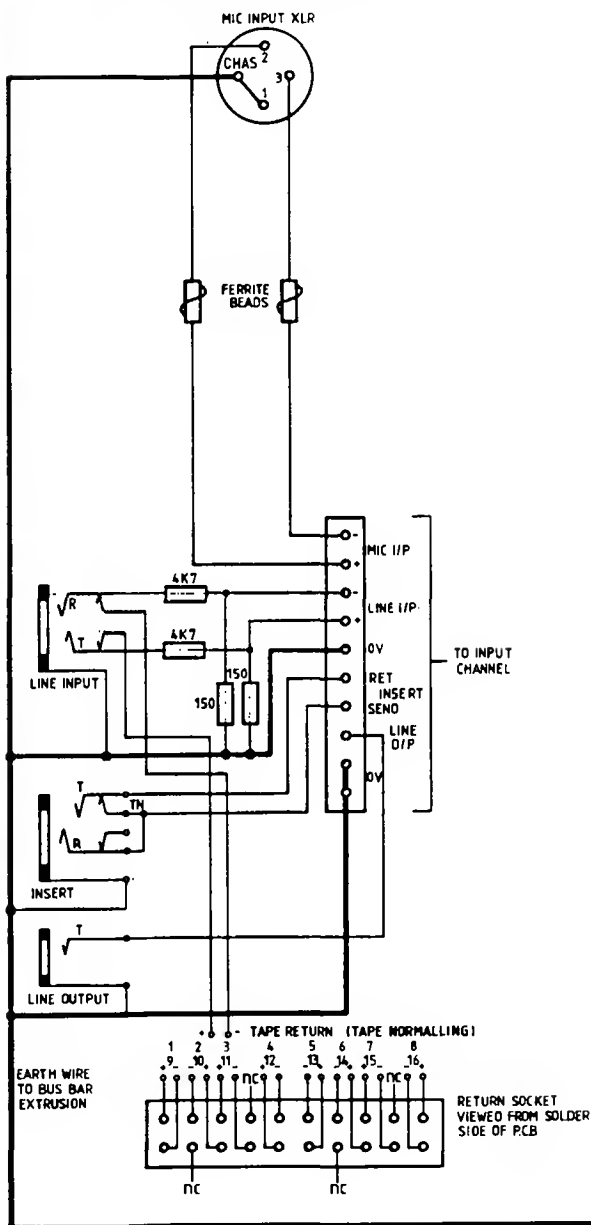
COMPONENT	TYPE	PART N°
TR1-TR 302	2SC 2240 BL	BDO 302
IC1, IC2	TLO 72	BEO 413
LED1 LED 301	TLR 102	JA0002



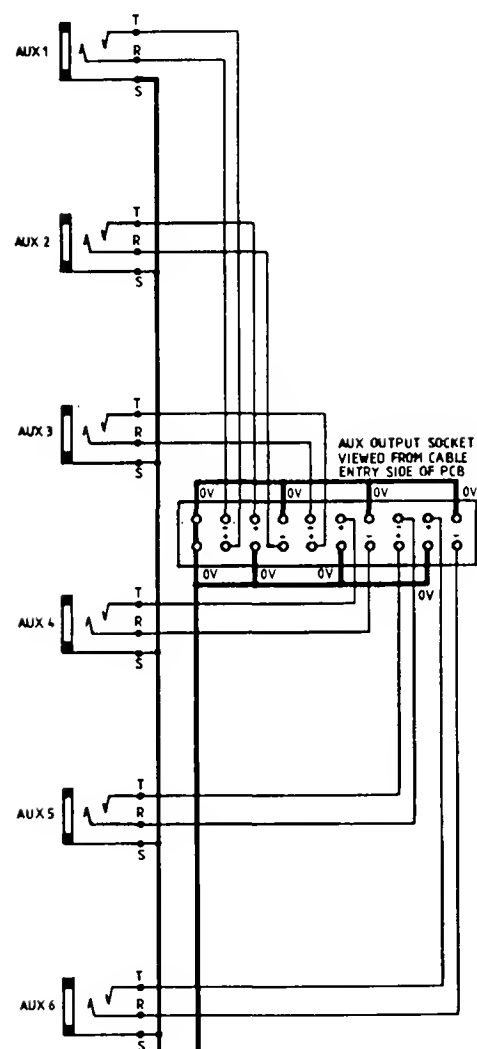
ISSUE 1 3-9-84
ISSUE 2 22-4-85
ISSUE 3 16-7-85
ISSUE 4 R2,102,202, 302 WERE 100K 30-11-87



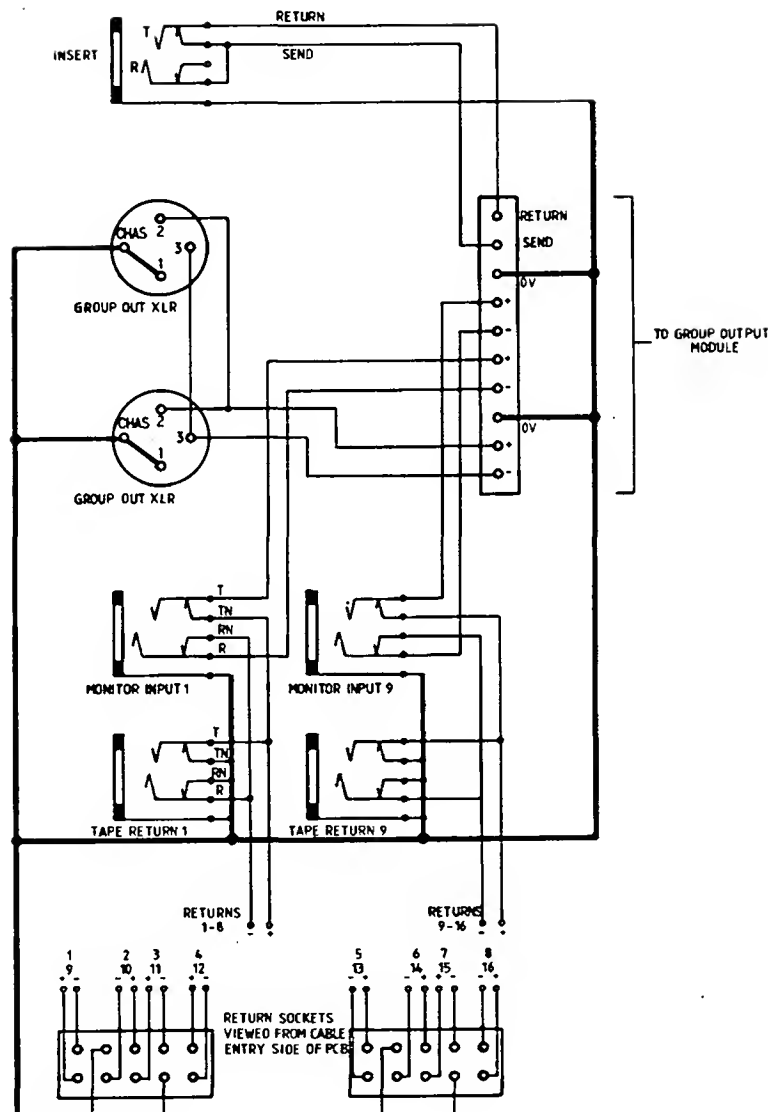
INPUT REAR CONN. (One of eight sections shown)



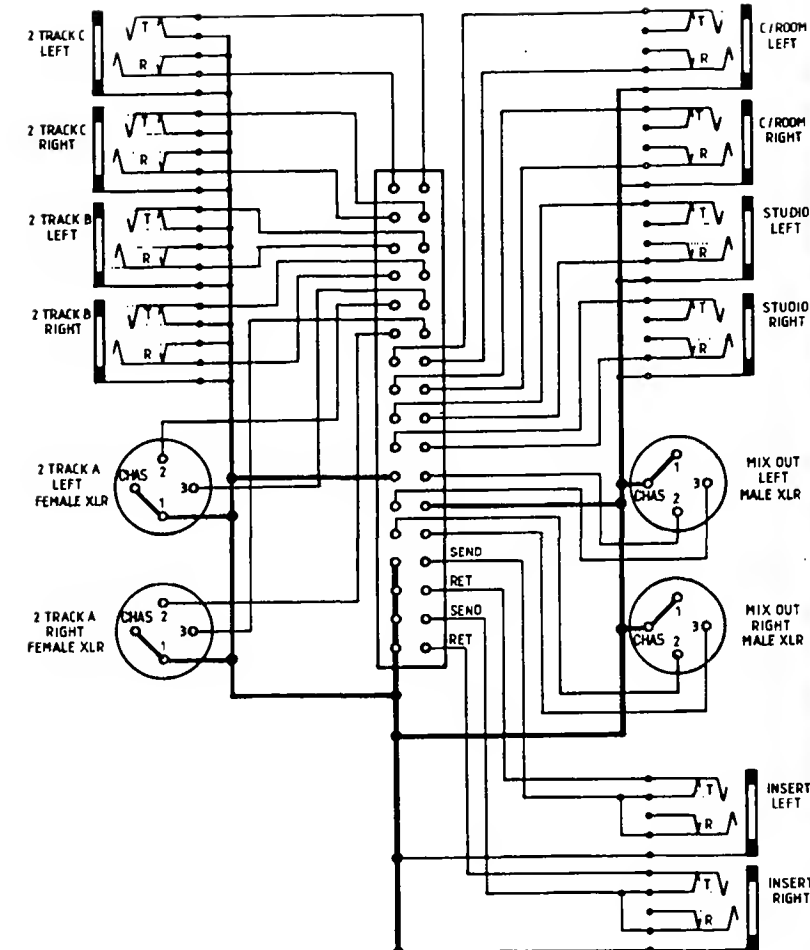
AUX OUTPUT (On group rear conn. card)



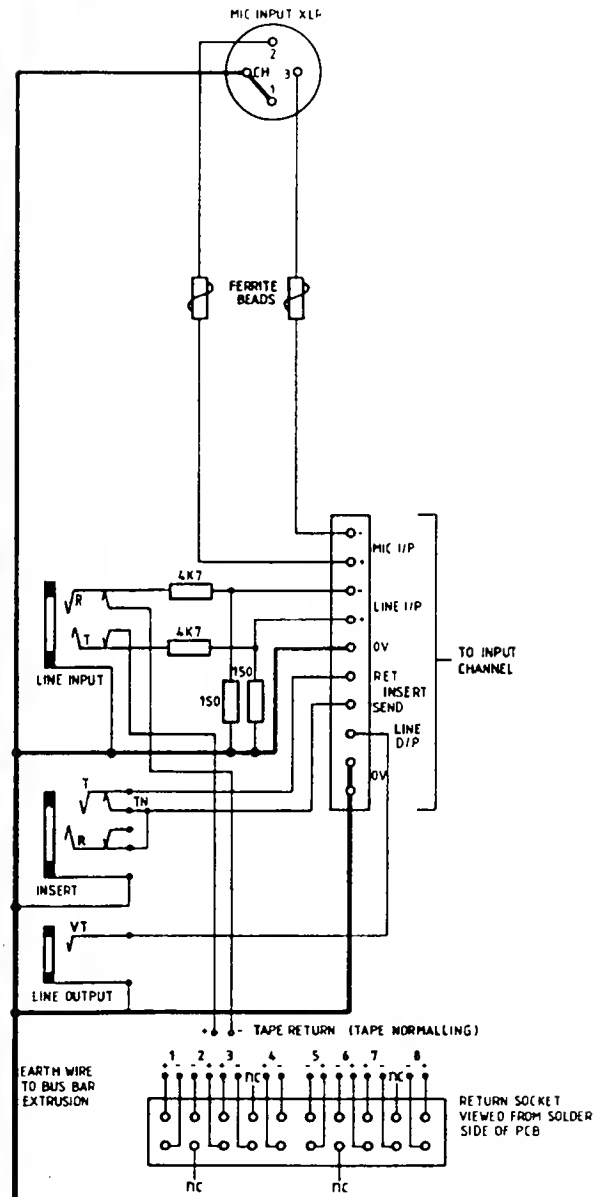
GROUP OUTPUT (1 of 8)



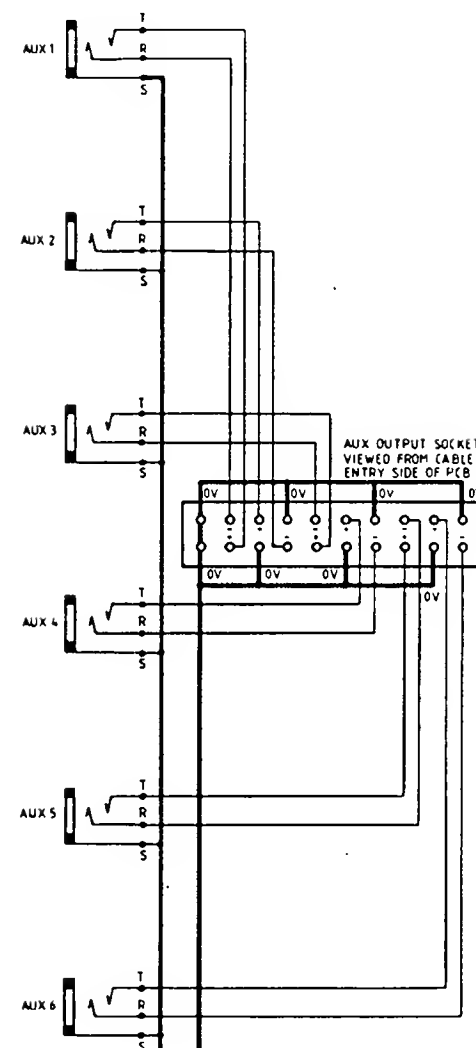
MASTER REAR CONN.
(Connector viewed from cable entry side of PCB)



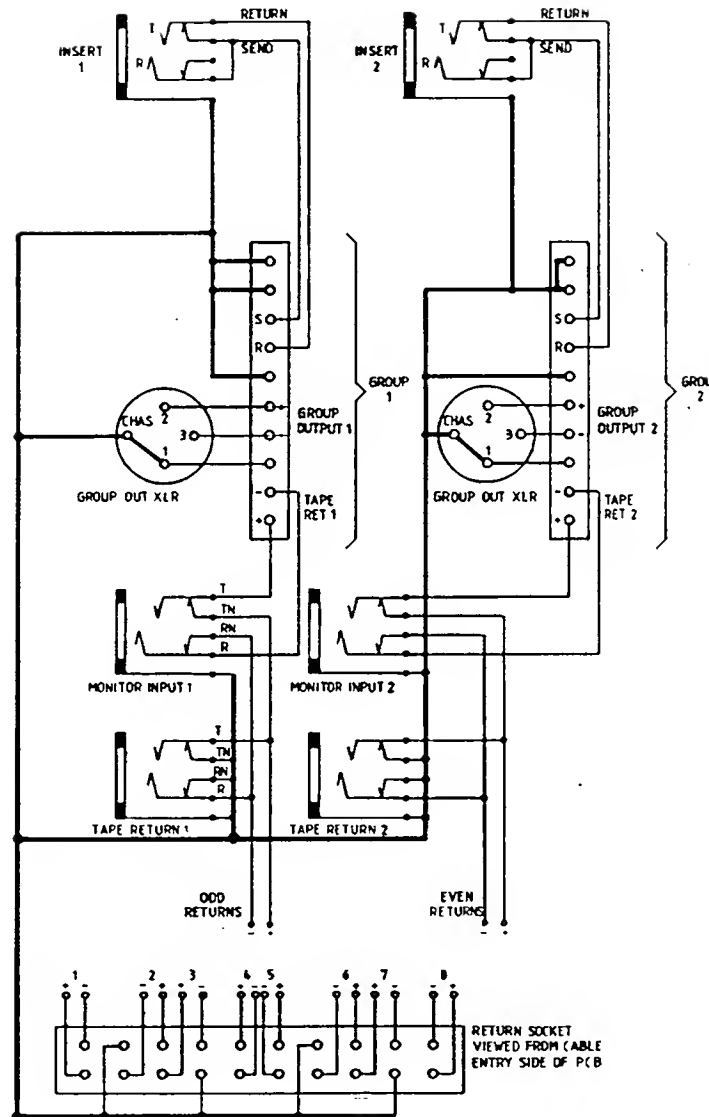
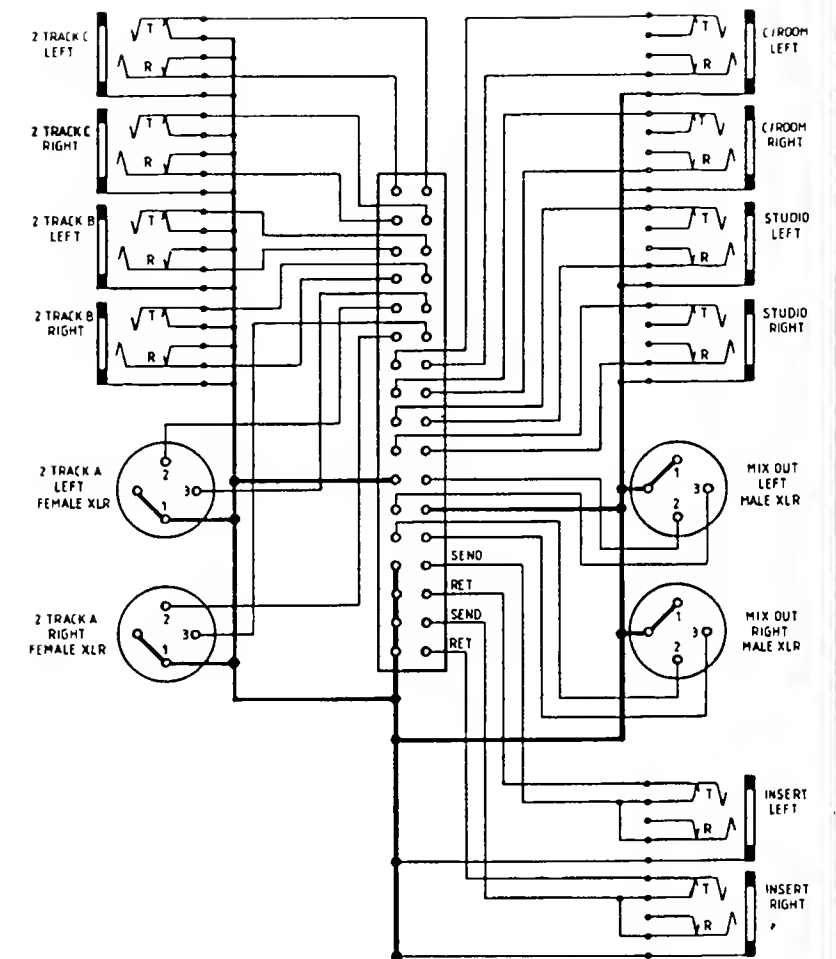
INPUT REAR CONN. (One of eight sections shown)



AUX OUTPUT (On group rear conn. card)



GROUP OUTPUT (1 of 8)

MASTER REAR CONN.
(Connector viewed from
cable entry side of PCB)

NOTES.

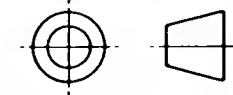
XLR CONNECTORS - PIN 2 = HOT (+), PIN 3 = COLD (-)
JACK SOCKETS (INPUTS/OUTPUTS) TIP = HOT (+), RING = COLD (-)
JACK SOCKETS INSERTS TIP = RETURN, RING = SEND

HOLE INDEX.

TOLERANCE.

All imperial dimensions ± 0.010
All metric dimensions $\pm 0.25\text{mm}$
All angles $\pm 0.50^\circ$
Unless otherwise stated.

THIRD ANGLE PROJECTION



MATERIAL.

FINISH.

SCALE.

DRG.

Mark

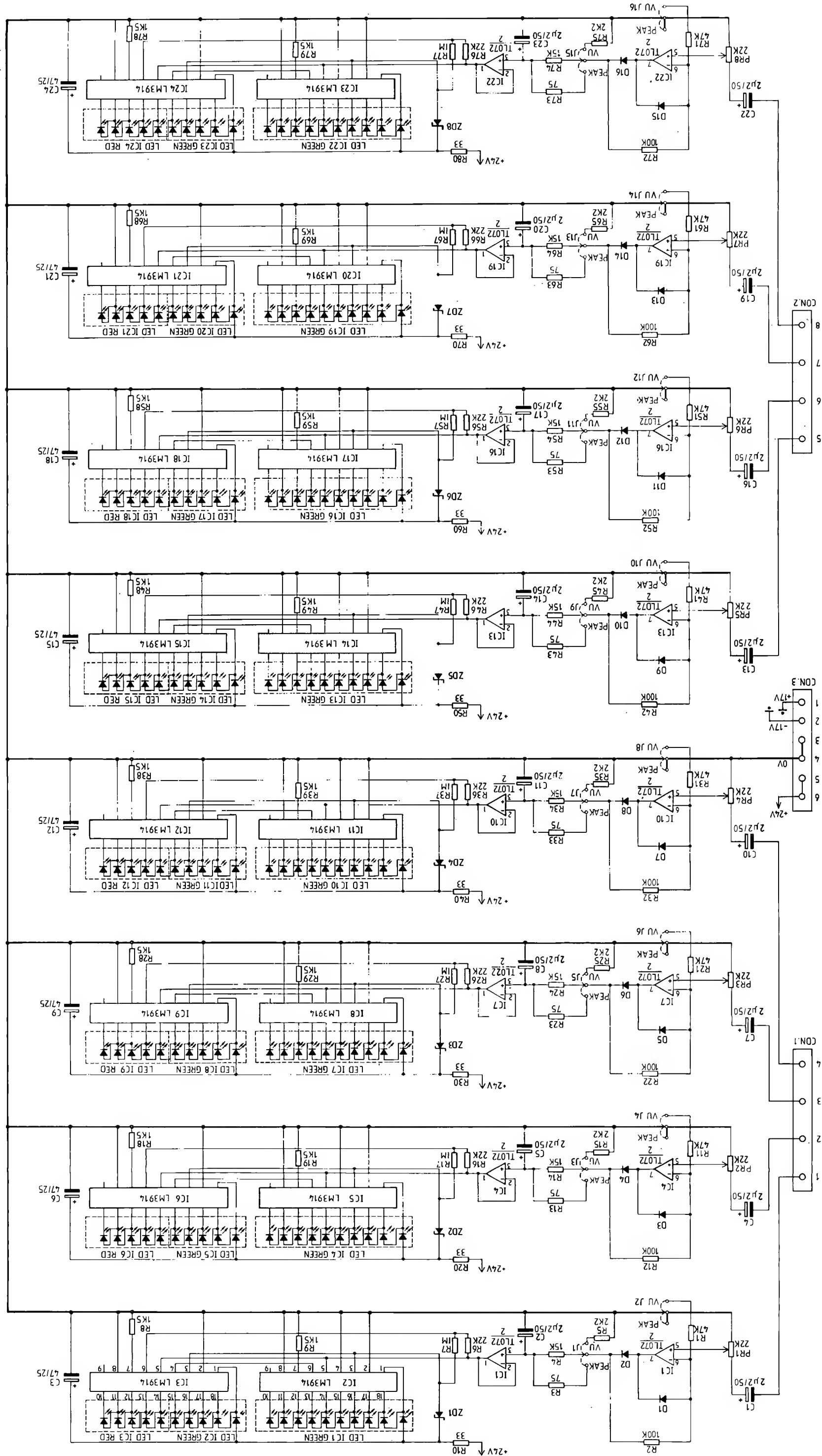
TRCD.

CHKD.

SOUNDCRAFT ELECTRONICS LTD.
5-8 GREAT SUTTON STREET
LONDON, EC4V 0BX.
TELEPHONE: 01-251-3631/2/3
TELEGRAMS: SOUNDCRAFT LDN. EC1
TELEX: 11K No. 21198, USA No. 01-2203

TITLE: S500
REAR CONNECTOR
DIAGRAMS

DRG No. ED 2230

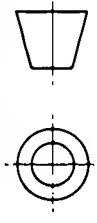


COMPONENT	DEVICE	PART No.
DUAL OP-AMPS	TL072	BE0413
LED DRIVERS	LM3914	BE0427
DIODES	1N4148	BA0001
ZENERS	6.2V/1A00mW	BE0104
LED IC (10 WAY)	GREEN	JA0017
LED IC (5 WAY)	GREEN	JA0019
LED IC (5 WAY)	RED	JA0018

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third party without written permission.

NOTES:

TOLERANCE.
All imperial dimensions ± 0.010
All metric dimensions $\pm 0.25\text{mm}$
All angles $\pm 0.50^\circ$
Unless otherwise stated.



MATL.	FINISH.	SCALE.
-------	---------	--------

DRG.	TRCD.	CHKD.
	<i>Debra Hamilton</i>	

SOUNDCRAFT ELECTRONICS LTD.
5-8 GREAT SUTTON STREET
LONDON, EC1V 0BX.
TELEPHONE: 01-251-3631/2/3
TELEGRAMS: SOUNDCRAFT LDN, EC1

TITLE.	S600	DRG No. FD 2202
	8 WAY LED METER	
	CIRCUIT DIAGRAM	